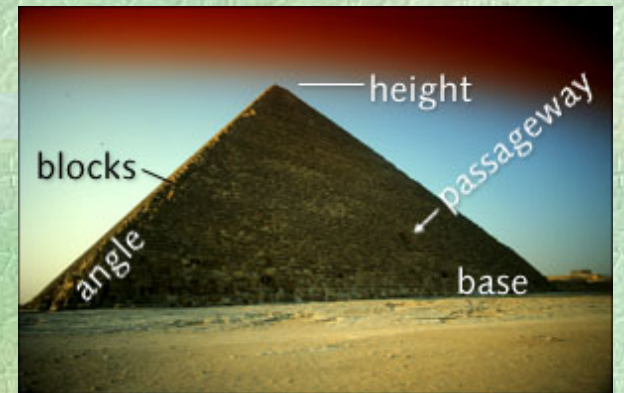
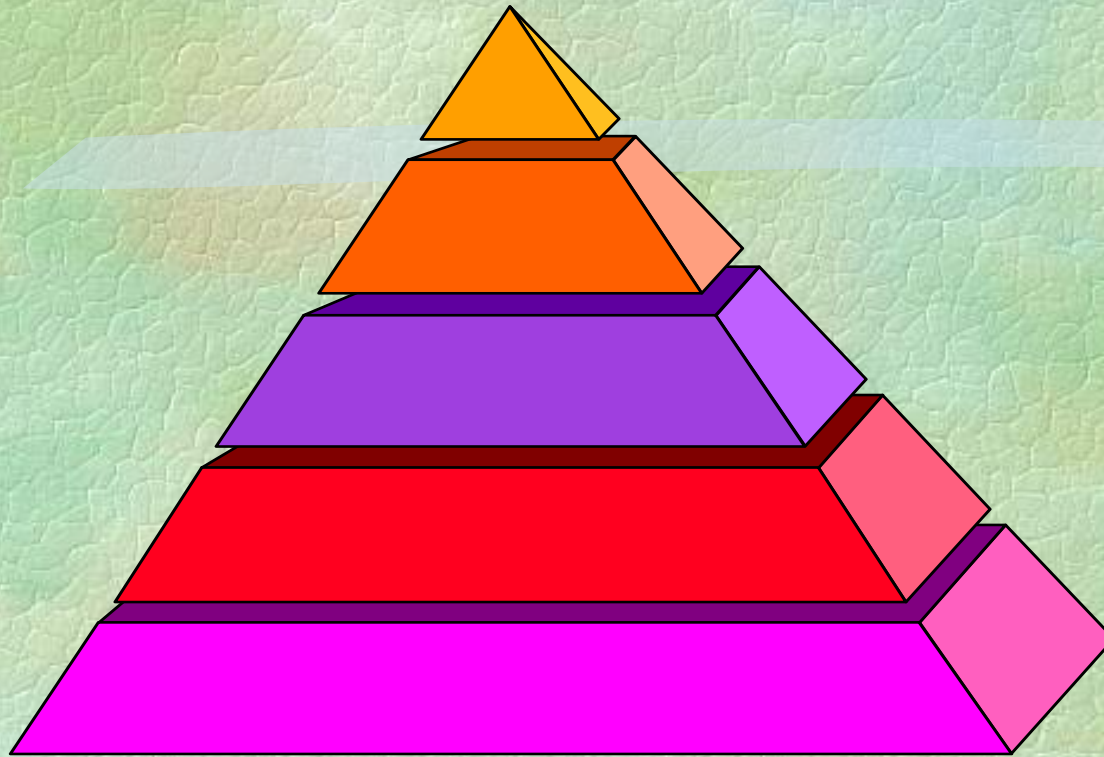


POPULATION PYRAMIDS



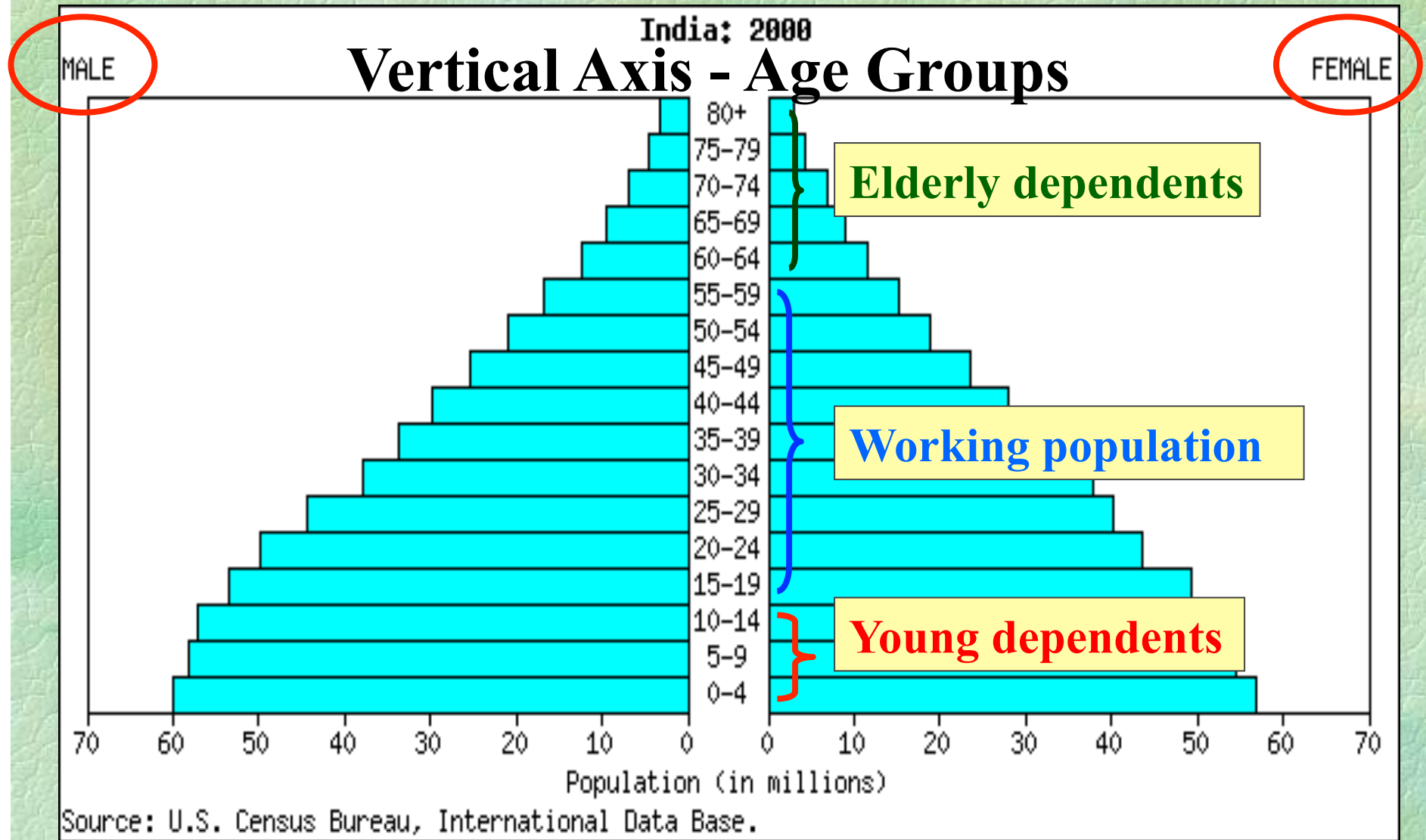
Objectives

- **WHAT** is a population pyramid?
- **HOW** to read a population pyramid?
- Recognise **SHAPES** of population pyramids.
- **IMPORTANCE** of population pyramids.

What is a population pyramid?

- ☞ It is a diagram that gives information about the proportion of males and females in each age group.
- ☞ Also shows:
 - proportion of **young people (0 -14)**
 - proportion of **working people (15 – 59)**
 - proportion of **elderly people (60+)**

What is a population pyramid?



Horizontal Axis – Percentage / number

How to read a population pyramid?

- ☞ Read the **title** e.g. country or city or racial group
- ☞ Comment on general **shape** of the pyramid
- ☞ Note the **proportion** of people in various age groups
- ☞ Note the **sex ratio**
- ☞ **Interpret** the data

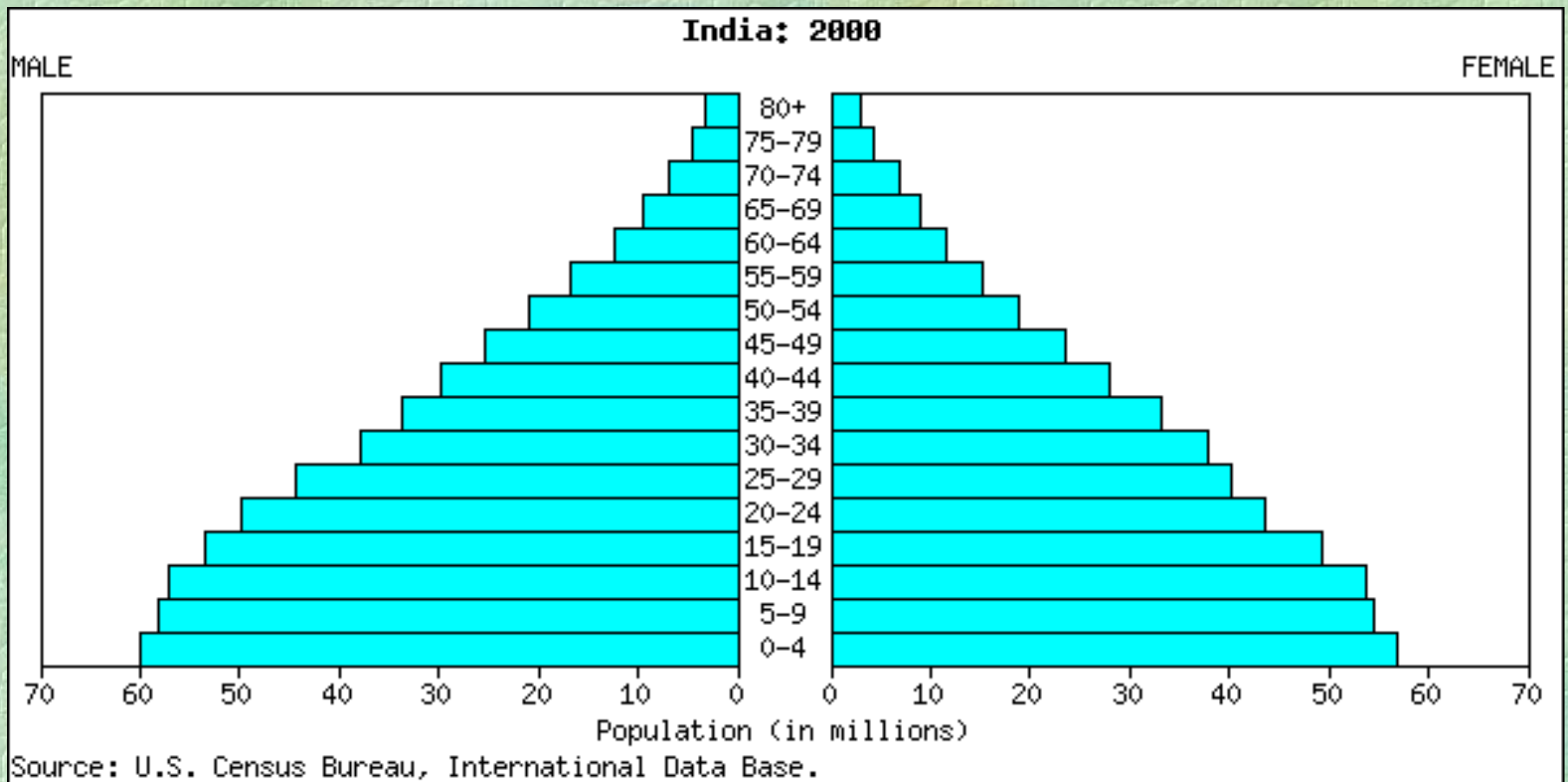
Types of Population Pyramid

1. Triangular-shaped
2. Beehive-shaped Pyramid
3. Rectangular-shaped Pyramid

Shape of pyramids is controlled by

- births,
- deaths, &
- migrations.

Triangular-shaped Pyramid (Broad-based Pyramid)



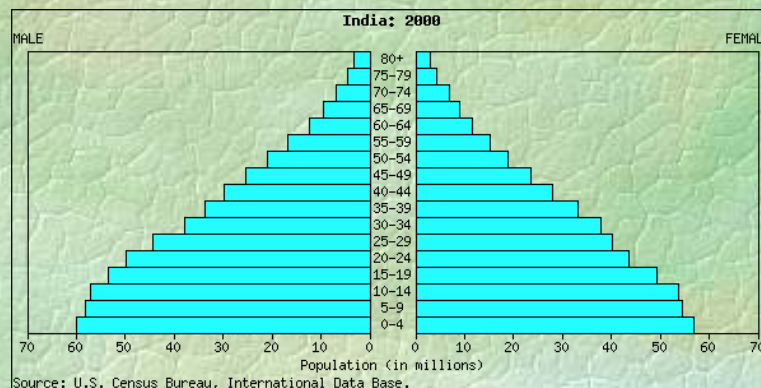
Broad-based Pyramid

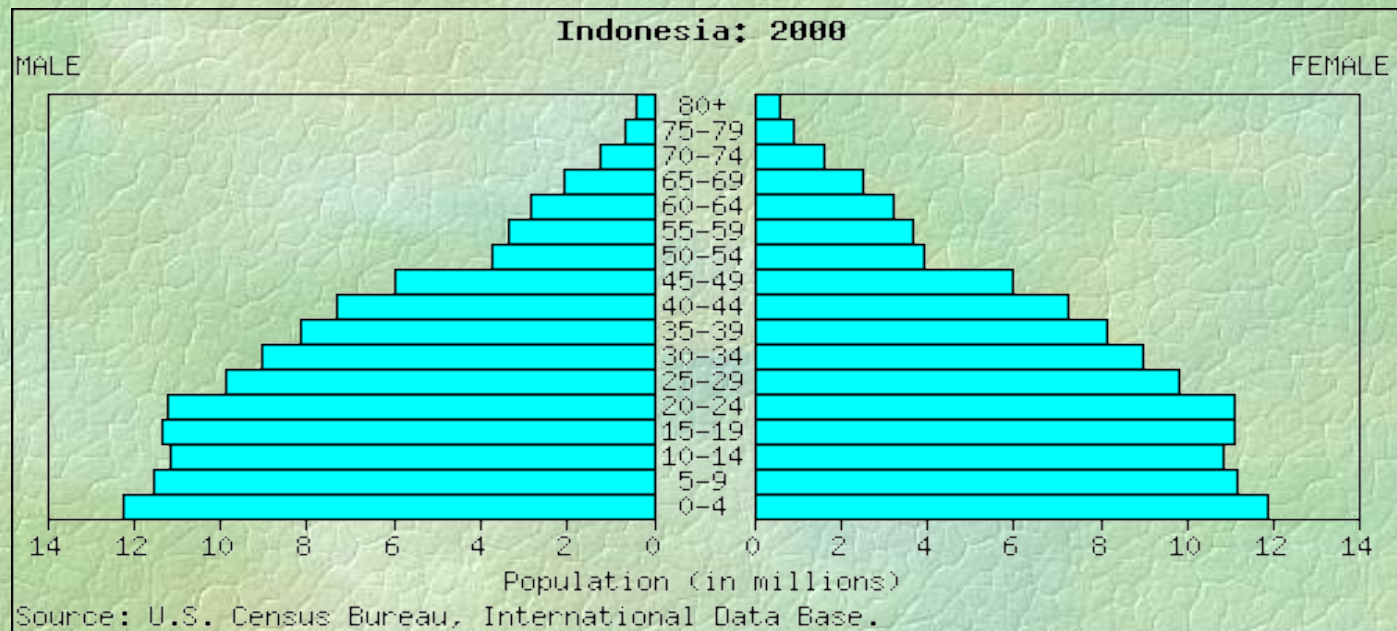
Title: India, 2000

Shape: Broad Base - high birth rates
Narrow Top - small elderly pop
- high death rate

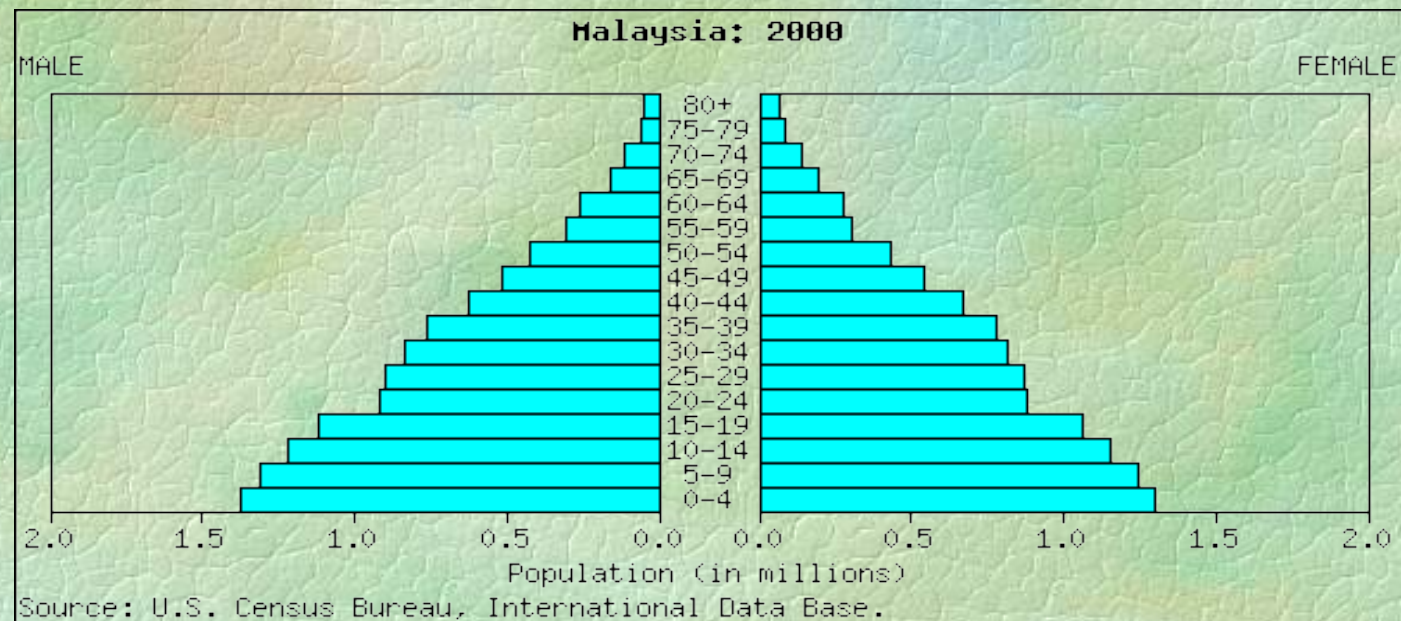
Proportion: - Large proportion of young
- high young dependency ratio

Sex Ratio: Balance pyramid - Balance sex ratio





**Indonesia
2000**

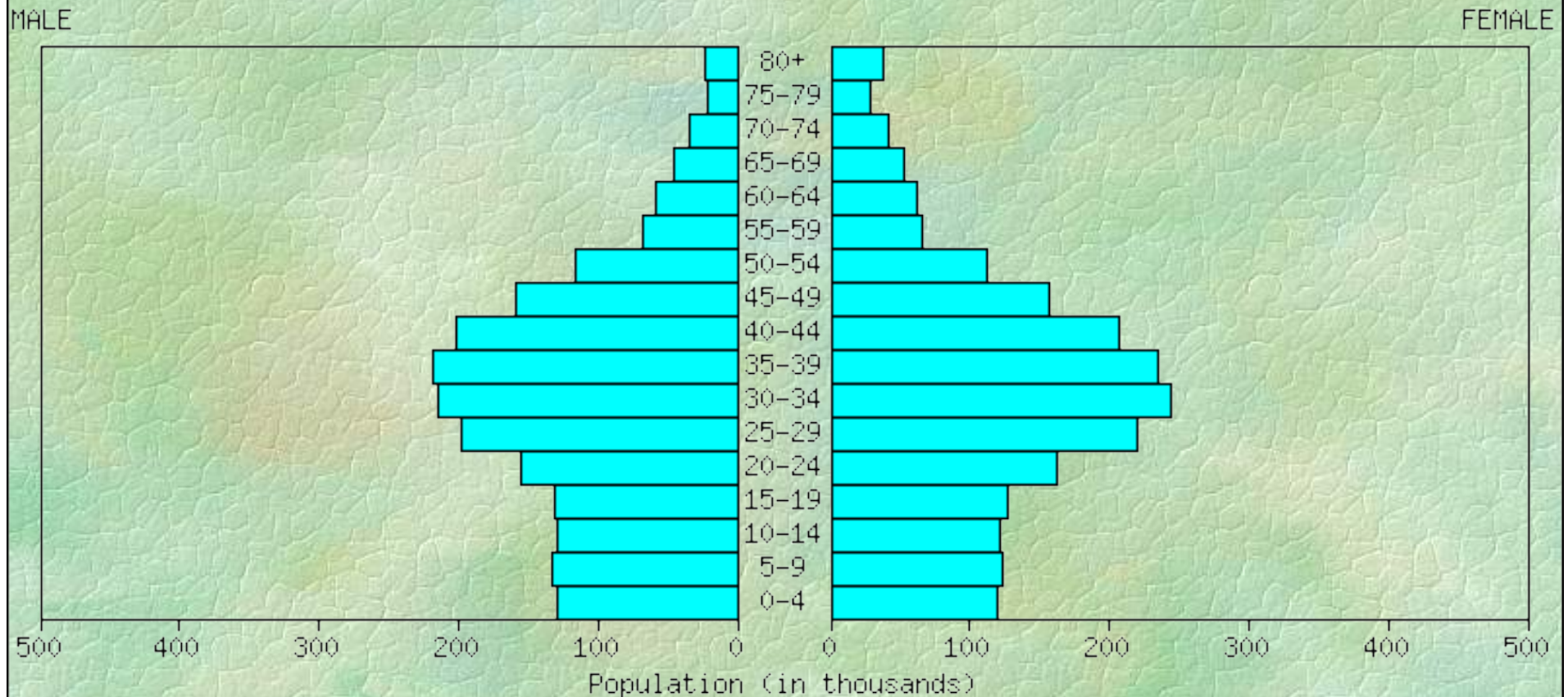


**Malaysia
2000**



Beehive-shaped Pyramid

Singapore: 2000



Source: U.S. Census Bureau, International Data Base.

Beehive-shaped Pyramid

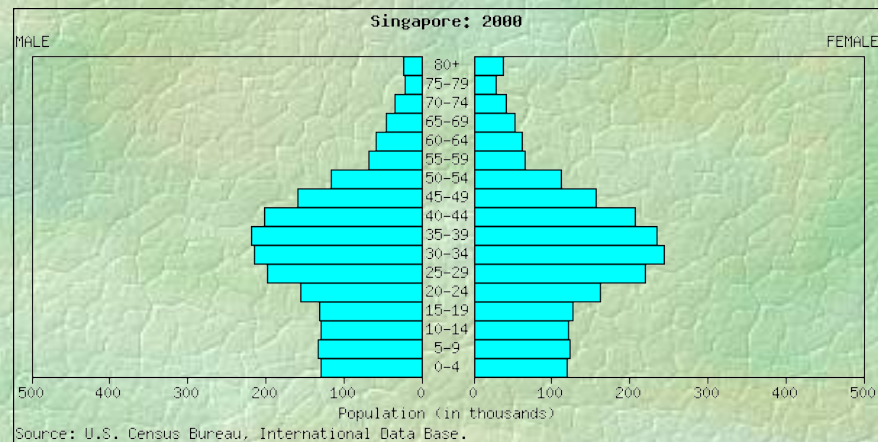
Title: Singapore, 2000

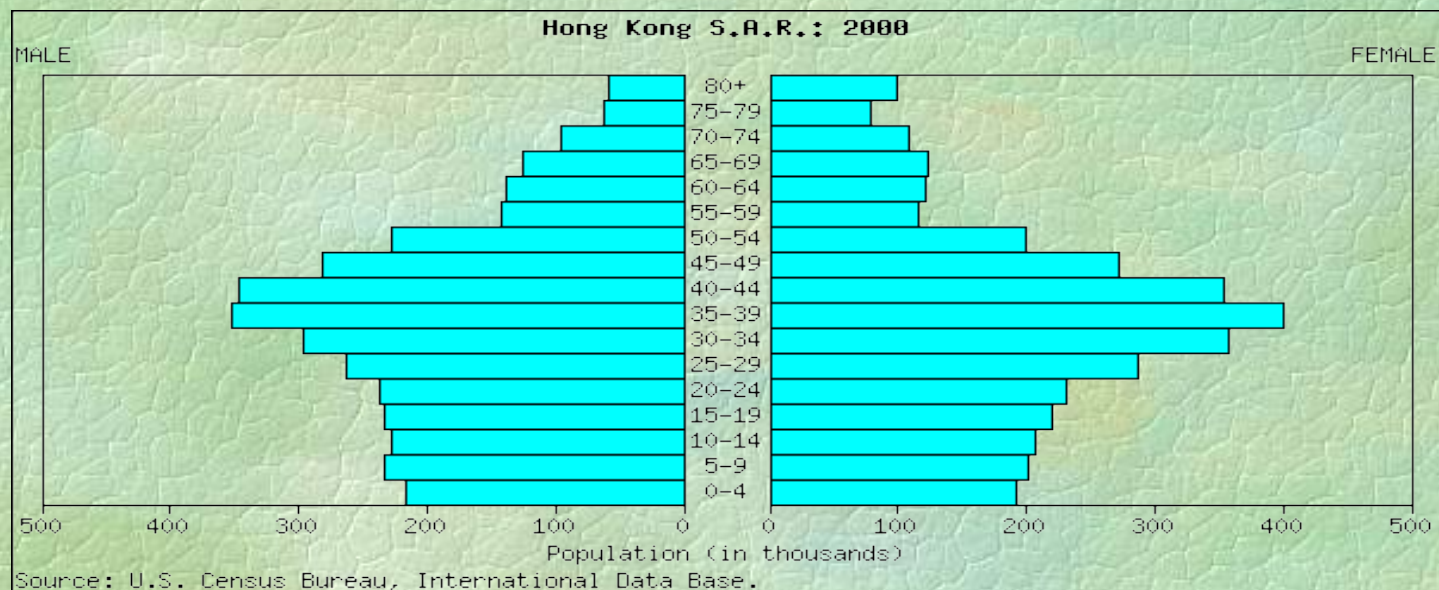
Shape: Rocket-shaped / Narrow Base

– Low Birth Rates, Slow pop growth

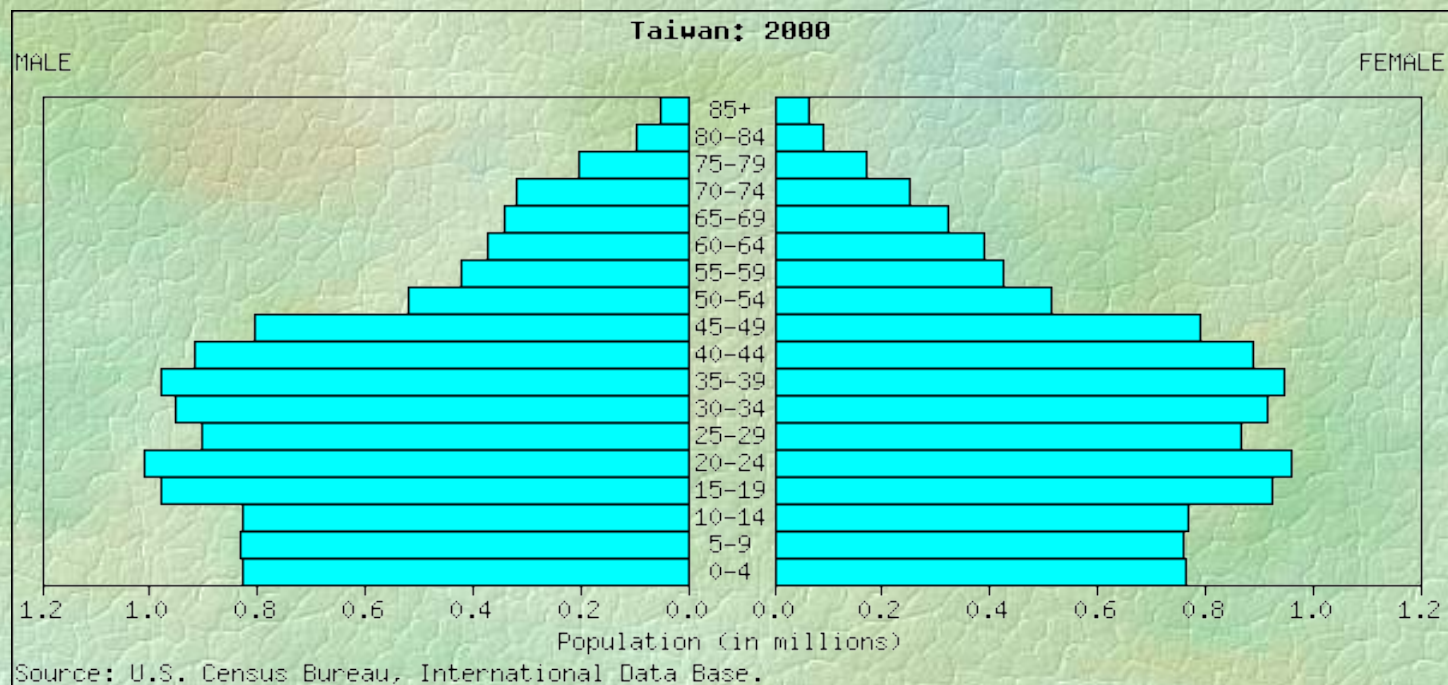
Proportion: Large proportion of working population, 15-59 yr old - large group of economically active pop

Sex Ratio: Balanced pyramid



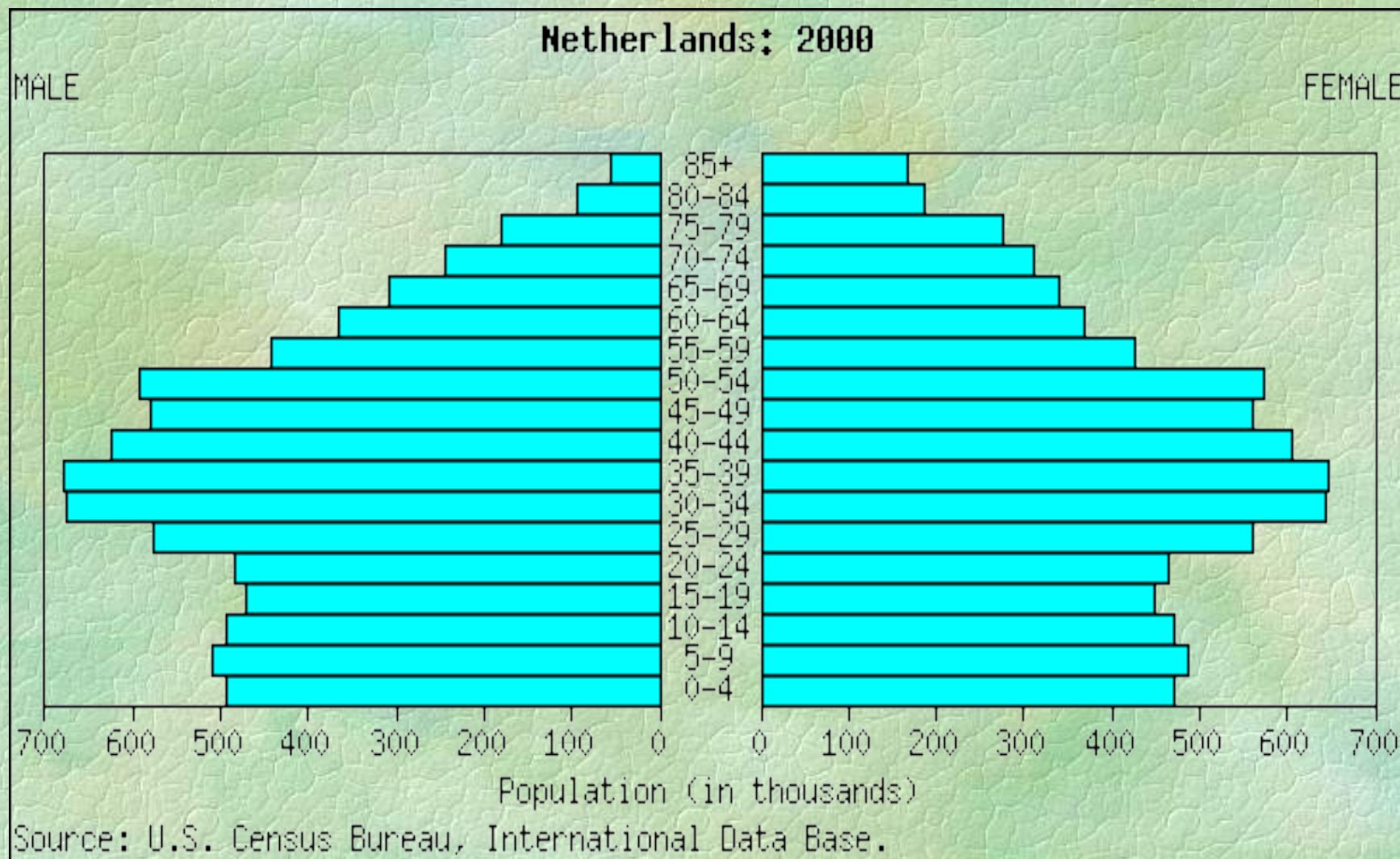


**Hong Kong
2000**



**Taiwan
2000**

Rectangular-shaped Pyramid



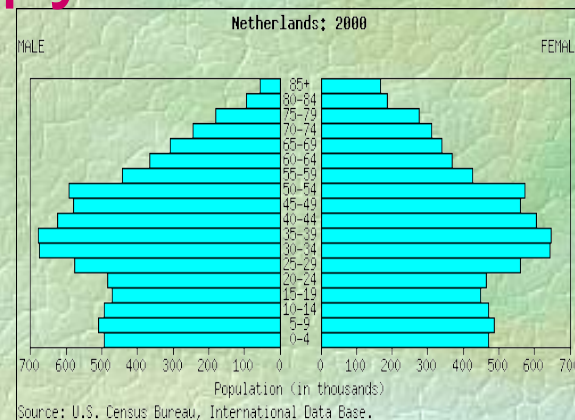
Rectangular Pyramid

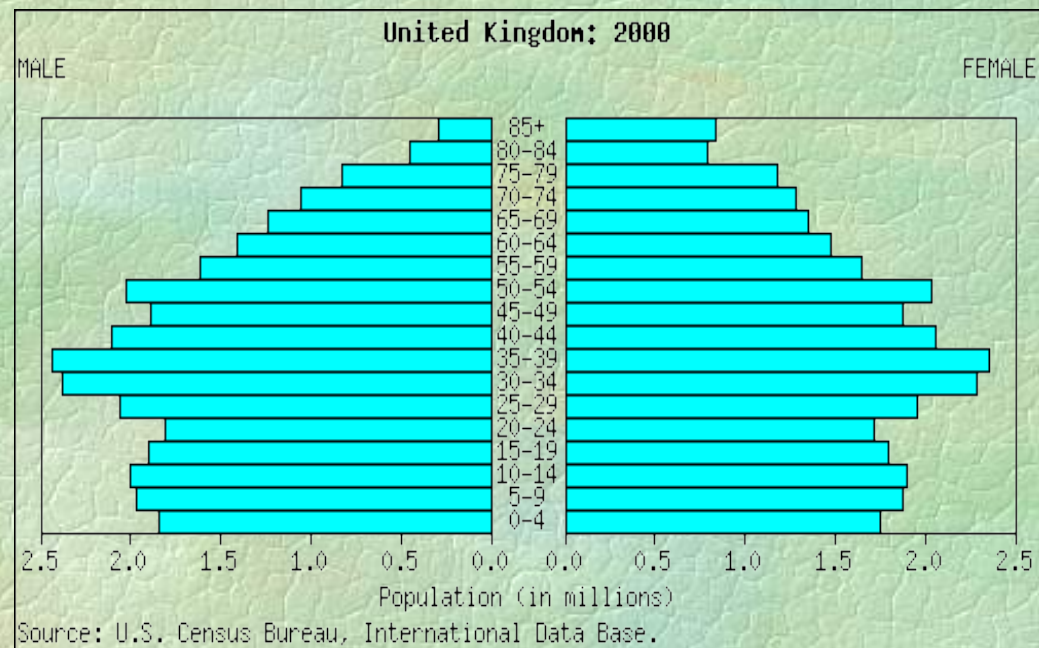
Title: Netherlands, 2000

Shape: Rectangular-shaped - Zero Pop Growth
Narrow Base - Low Birth Rates
- Life-expectancy is high e.g. 80+
- Low death rates

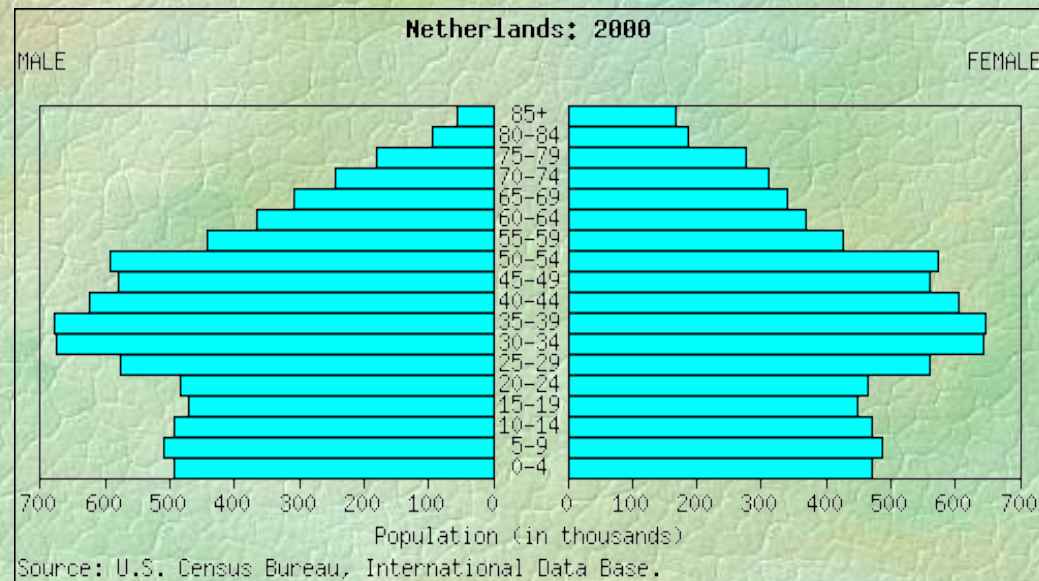
Proportion: Bars of equal length - Balance
Proportion

Sex Ratio: Balance pyramid - Balance Sex
Ratio



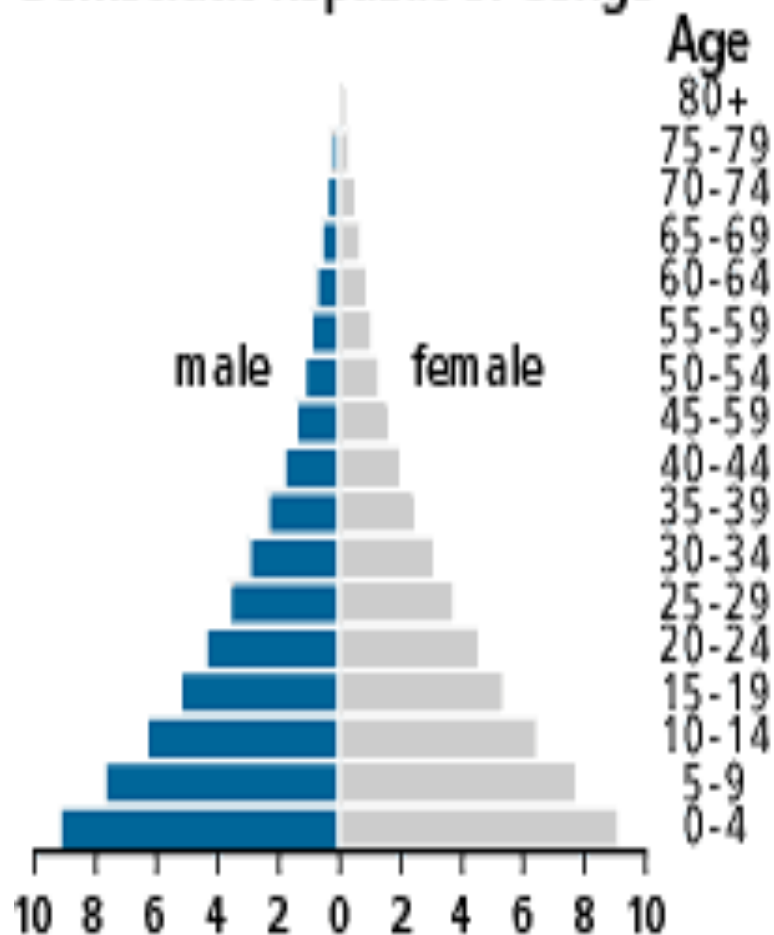


UK 2000

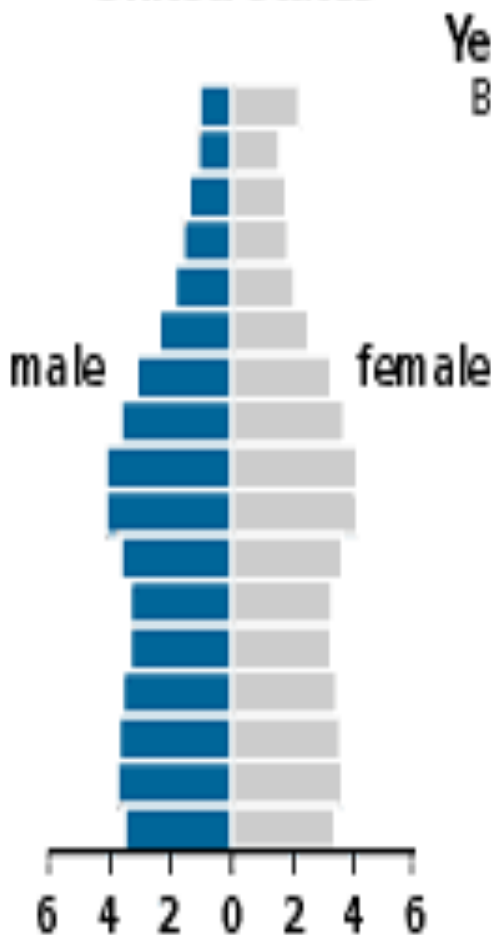


**Netherlands
2000**

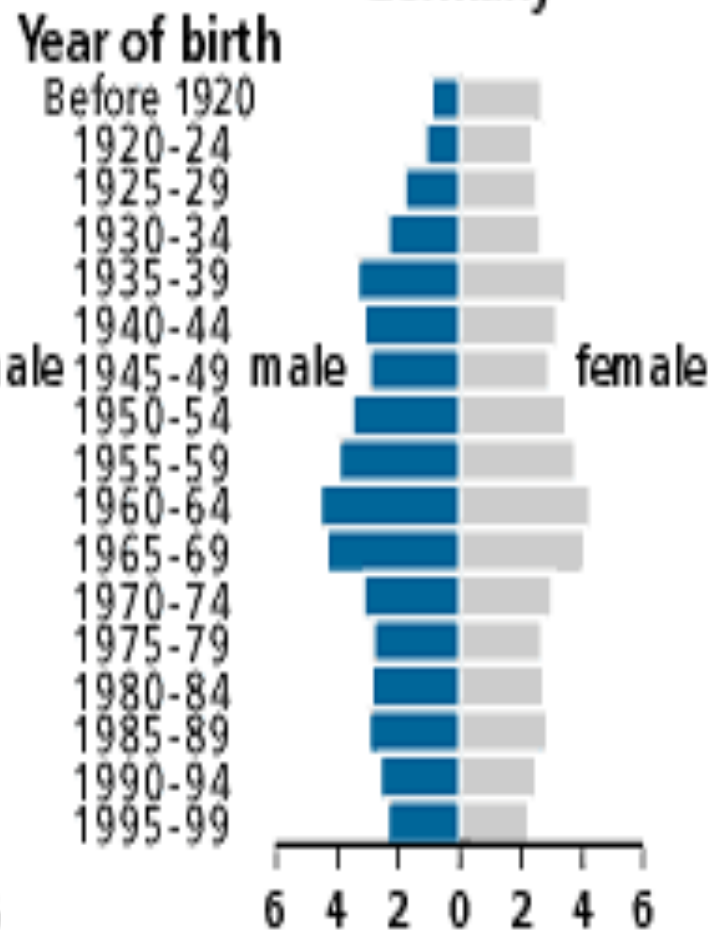
Rapid Growth Democratic Republic of Congo



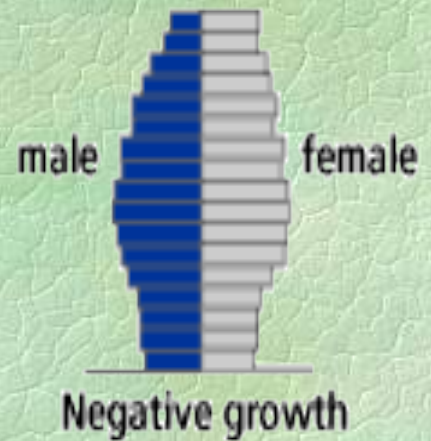
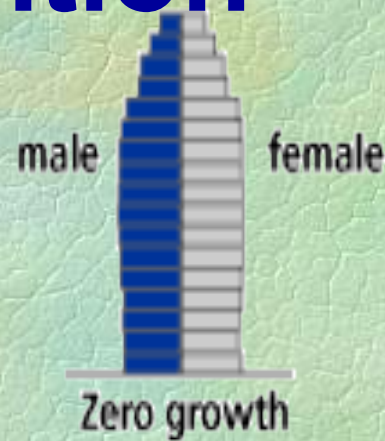
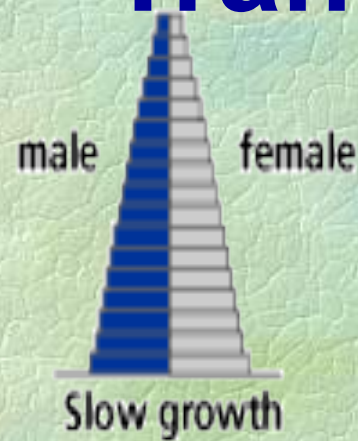
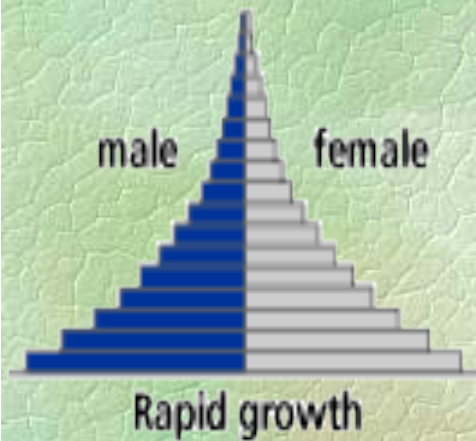
Slow Growth United States



Negative Growth Germany



Population Pyramids in Transition



Each pyramid tells a story
about the
past, present & future
of a country & its people.

Importance of Population Pyramids

☞ Policy Planning

- ~ future housing estates
- ~ future schools
- ~ future jobs

☞ Comparison with other countries

- ~ developed (US) vs developing (India)